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Notice of Allowability	Application No.	Applicant(s)	
	10/088,996	ARIKAWA ET AL.	
	Examiner	Art Unit	
	Rip A. Lee	1713	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to <u>March 31, 2004</u> .			
2. ☑ The allowed claim(s) is/are <u>4-6</u> .			
3. The drawings filed on are accepted by the Examine	r.		
4.	been received. been received in Application No cuments have been received in this in of this communication to file a reply of this application. itted. Note the attached EXAMINER' as reason(s) why the oath or declara is the submitted. ion's Patent Drawing Review (PTO s Amendment / Comment or in the Comment or in the Comment of the drawing he header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL in	complying with the recomplying in the front (not the d).	quirements OTICE OF
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amenda 8. Examiner's Stateme 9. Other	(PTO-413), te nent/Comment	,

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DETAILED ACTION

This office action follows a request for continued examination (RCE) under 37 & C.F.R.

1.114, filed on March 31, 2004. Claims 4-6 have been amended.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: Claims 4-6 are

allowed over the closest reference, U.S. Patent No. 6,448,321 to Tokita.

The present invention is drawn to an aqueous dispersion comprising a non-volatile film

forming component dispersed in water. The non-volatile component contains 100 parts (by

weight) of a styrene/conjugated diene block copolymer or its hydrogenation product, 0.5-20 pw

of a carboxylic acid modified thermoplastic polymer or a coplymer of styrene and unsaturated

acid compound, and 0.1-30 pw of a nitrogen compound R¹R²NH in which R¹ is (CH₂CH₂O)_m-H

and R² is (CH₂CH₂O)_n-H, alkyl, aryl, or hydrogen.

A second aspect of the invention is drawn to an aqueous dispersion comprising a non-

volatile film forming component dispersed in water. The non-volatile component consists of 100

pw of of a styrene/conjugated diene block copolymer or its hydrogenation product and 0.5-20 pw

of a carboxylic acid modified thermoplastic polymer or a coplymer of styrene and unsaturated

acid compound.

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A third embodiment of the invention is drawn to an aqueous dispersion comprising a non-

volatile film forming component dispersed in water. The non-volatile component consists of 100

pw of of a styrene/conjugated diene block copolymer or its hydrogenation product and 0.1-30 pw

of a nitrogen compound R¹R²NH in which R¹ is (CH₂CH₂O)_m-H and R² is (CH₂CH₂O)_m-H, alkyl.

aryl, or hydrogen.

Tokita teaches an aqueous dispersion comprising a thermoplastic copolymer such as

styrene block copolymers and styrene-butadiene copolymer and 3-25 wt % of a basic substance

such as ethanolamine incorporated into the composition to partially neutralize or saponify a fatty

acid ester component. An example of the basic compound is ethanolamine. The reference does

not teach or suggest use of 0.5-20 pw of a carboxylic acid modified thermoplastic polymer or a

coplymer of styrene and unsaturated acid compound. Furthermore, the amine component is used

to neutralize an acid ester component and therefore would not retain its identity in the final

composition. For these reasons, all aspects of the present invention are not anticipated or made

obvious in view of the teachings of Tokita.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached at (571)272-1114. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

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June 14, 2004

DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700